UNITED STATES PATENT AND TRADEMARK OFFICE **CERTIFICATE OF CORRECTION**

PATENT NO.

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Page 1 of 1

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INVENTOR(S)

: Byung-in Ma et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 10, line 33, change " $S_{(p^3-p^4)}$ " to - $S_{(p^3-p^2)}$ --

Column 10, line 63, change "detectin" to --detecting --

Column 10, line 64, change "aignal" to -- signal --

Column 11, lines 15 and 16, change "sub-beam" to -- main beam --

Column 11, line 24, change "signal" to -- signals --

Column 13, line 15, change "sub- beam" to -- sub-beam --

Column 13, line 45, start new paragraph after "wherein"

Signed and Sealed this

Sixth Day of February, 2007

JON W. DUDAS Director of the United States Patent and Trademark Office